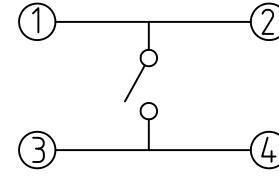
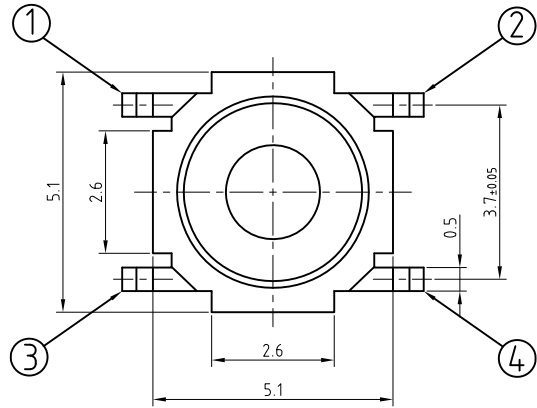
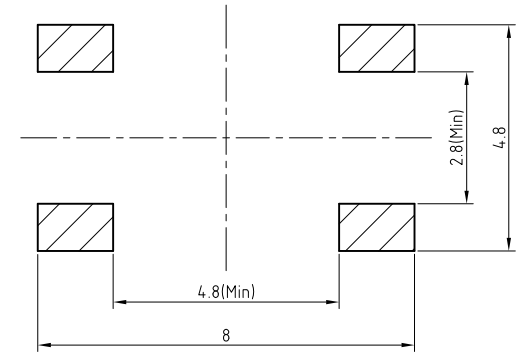


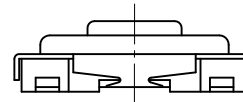
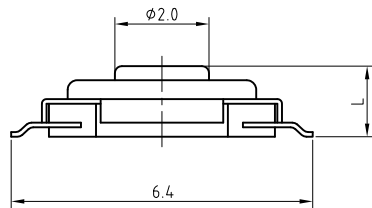
RevNo	Revision note	Date	Signature
△	According To Customer Request ,Case Color Change	2010.06.01	H.Z.T
△	Switch Name And Mechanical Life change	2011.05.31	L.Y.D



CIRCUIT DIAGRAM



P.C.B LAND DIMENSION



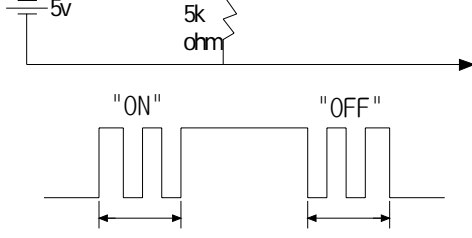
**NOTE**

- 1.TRAVEL : 0.25±0.1mm
- 2.CONTACT RESISTANCE : 100mΩ Max
- 3.GENERAL TOLERANCE : ±0.2
- 4.MANUFACTURING SPECIFICATION WOULD BE ACCORDANCE WITH JT0010-01

MODEL NAME	CODE NO.	L (mm)	STEM MATERIAL	LIFE CYCLE	CASE COLOR	O/FORCE
JT-1140WAL	130010000088	1.7 ±0.05	LCP	100,000	NATURAL	260 ±50gf
JT-1140WA	130010000087	1.7 ±0.05	BRASS		BLACK △	
JT-1140WL	130010000086	1.5 ±0.1	LCP	1,000,000 △	NATURAL	160 ±50gf
JT-1140W	130010000085	1.5 ±0.1	BRASS		BLACK	
JT-1140L	130010000084	1.5 ±0.1	LCP			
JT-1140CK △	130010000083	1.5 ±0.1	BRASS			



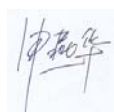
Designed by L.Y.D			
Checked by B.SAGONG			
Approved by J.Y.CHUNG	Unit mm	Scale N/S	Date 2011.06.01
Item TACTILE SWITCH	Tool Au	Sheet 1/1	Rev. 1
Model JT-1140 Series	Drawing name ASS'Y DIAGRAM		



4.4	Bounce		5 m sec max.
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5. Mechanical Performance



	PROPERTY	TEST CONDITIONS	PERFORMANCE
5.1	Actuating Force	Placing the switch such that the direction of switch operation is vertical and then gradually increasing the load applied to the center of the stem, the maximum load required for the stem to come to a stop shall be measured.	160 ± 50 gf 260 ± 50 gf
5.2	Travel	Placing the switch such that the direction of switch operation is vertical and then applying a static load twice the actuating force to the center of the stem, the travel distance for the stem to come to a stop shall be measured.	0.25±0.1mm
5.3	Return Force	The sample switch is installed such that the direction of switch operation is vertical and, upon depression of the stem in its center the whole travel distance, the force of the stem to return to its free position shall be measured.	45 gf min
5.4	Stem Strength	Placing the switch such that the direction of switch operation is vertical, the maximum force to withstand a pull applied opposite to the direction of stem operation shall be measured.	3 kgf

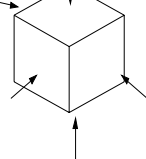
						APPD	CHKD	DSGN	TITLE JT-1140 SERIES
									
ZONE	SYMB	DATE	APPD	CHKD	DSGD				DOCUMENT NO. JT0010-01

6.2	Heat Resistance	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for one hour before measurements are made: (1)Temperature: 80±2℃ (2) Time: 96 hours	Item 4.1、4.2、4.3、4.4 Item 5.1 Item 5.2
6.3	Moisture Resistance	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for one hour before measurements are made: (1) Temperature: 60±2℃ (2) Relative humidity: 90 to 95% (3) Time: 96 hours (4) Water drops shall be removed.	Contact resistance:500mΩ max Insulation resistance: 100 MΩ min. Item 4.3 Item 5.1 Item 5.2

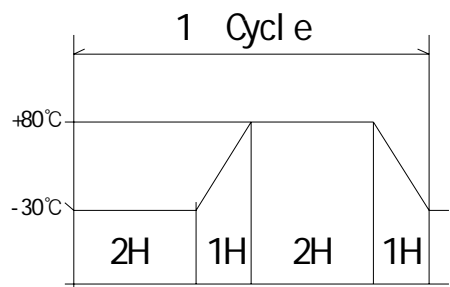
7. Endurance Performance




	PROPERTY	TEST CONDITIONS	PERFORMANCE
7.1	Operating Life	Measurements shall be made following the test set forth below: (1)DC 5V 5mA resistive load. DC 5V 5mA (2)Rate of operation:2 to 3 operations per second (3)Depression: 160 / 250 gf (4)Cycles of operation: As per individual manufactured drawing.	Contact resistance: 1Ω max. Insulation resistance : 100MΩ min. Actuating force: + 30 %or- 30%of initial force. Item 4.3 Item 5.2
7.2	Vibration Resistance	Measurements shall be made following the test set forth below: (1)Range of oscillation:10 to 55Hz (2)Amplitude,pk-to-pk:1.5 mm (3)Cycle of sweep: 10-55-10Hz in one minute,approx. (4)Mode of sweep :Logarithmically sweep or uniform sweep. (5) Direction of oscillation: Three mutually perpendicular directions,including the direction of stem travel. (6) Duration of testing: 2 hours each ,for a total of 6hours.	Item 4.1、4.2、4.3、4.4 Item 5.1 Item 5.2

						APPD	CHKD	DSGN	TITLE
									JT-1140 SERIES
									DOCUMENT NO.
									JT0010-01
ZONE	SYMB	DATE	APPD	CHKD	DSGD				

	Resistance		Item 5.2
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8. Environmental Endurance

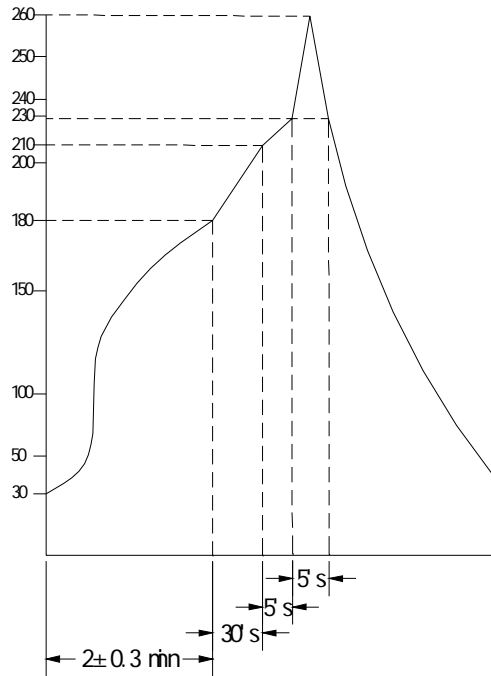
	PROPERTY	TEST CONDITIONS	PERFORMANCE
8.1	High Temperature Cycling	<p>Following ten cycles of high temperature test .Samples shall be Place in Normal temperature and humidity Conditions for one hour before measurements are made. During this test, water drops shall be removed.</p> <p>(1) Temperature : <math>-30^{\circ}\text{C}\sim 80^{\circ}\text{C}</math>  (2) Cycling : 10 cycles</p> <div style="text-align: center;">  <p>1 Cycle</p> </div>	<p>Item 4.1、4.2、4.3、4.4  Item 5.1  Item 5.2</p>

						APPD	CHKD	DSGN	TITLE JT-1140 SERIES
									DOCUMENT NO. JT0010-01
ZONE	SYMB	DATE	APPD	CHKD	DSGD				

9.2

Patience high temperature

The P.W.B entered into the soldering equipment  
Soldering heat: Temperature on the copper foil surface should reach the peak temperature of 260°C within 5 seconds after the P.B.W entered into soldering heat zone.



Surface of plastics don't frothed And formed

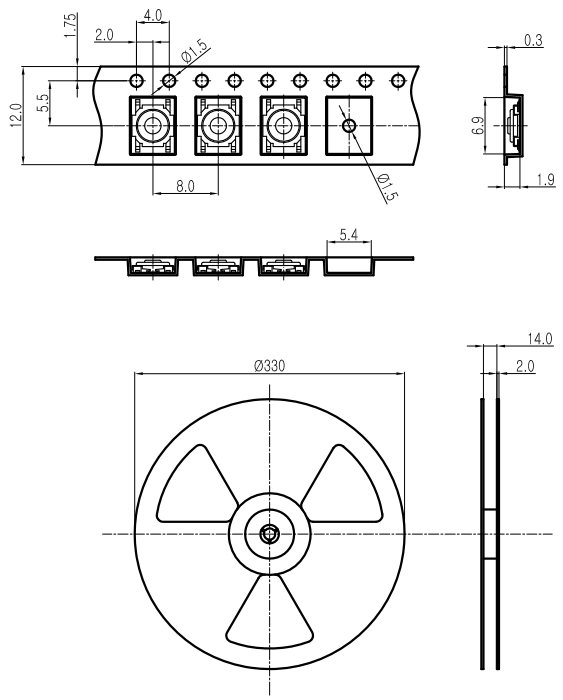
10. Other precautions

- (1) Following the soldering process, do not try to clean the switch with a solvent or the like.
- (2) Safeguard the switch assembly against flux penetration from its topside.
- (3) Please have the products keep in close status and the storage time is 90 days guaranty after delivering the goods at most.

						APPD	CHKD	DSGN	TITLE
									JT-1140 SERIES
									DOCUMENT NO.
									JT0010-01
ZONE	SYMB	DATE	APPD	CHKD	DSGD				

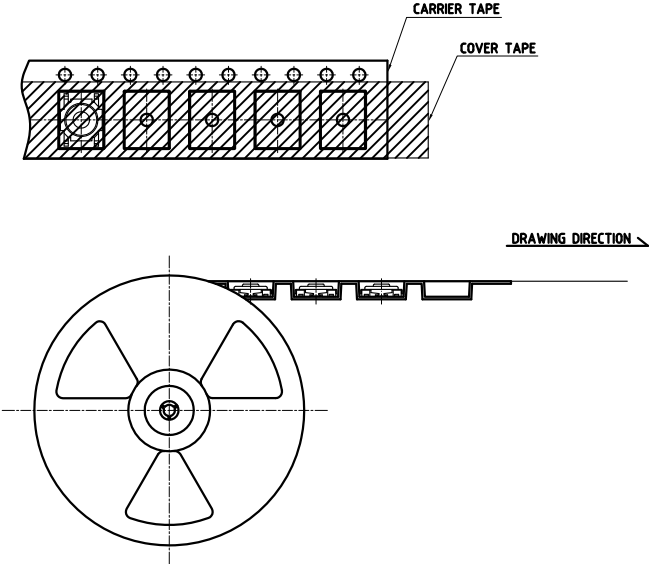
RevNo	Revision note	Date	Signature
△	Switch Name Change	2011.05.31	L. Y. D

THE DIMENSION OF CARRIER TAPE, COVER TAPE AND REEL

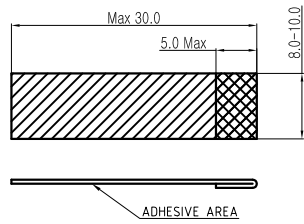
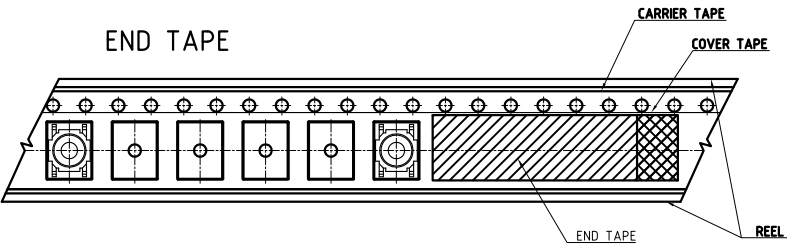


MODEL NAME	CODE NO.
JT-1140CK	130010000083
JT-1140L	130010000084
JT-1140W	130010000085
JT-1140WL	130010000086
JT-1140WA	130010000087
JT-1140WAL	130010000088

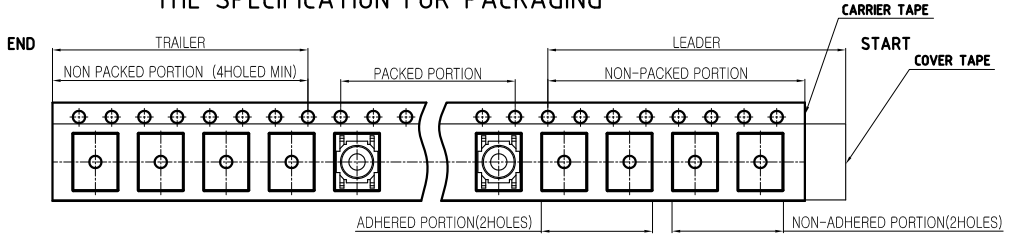
THE SPECIFICATION FOR PACKAGING



END TAPE



THE SPECIFICATION FOR PACKAGING



NOTE  
4,000 pcs SWITCHES PER 1 REEL

Designed by	H.Z.T									
Checked by	B.SAGONG		Unit	mm	Scale	N/S	Date	2008.04.11		
Approved by	T.H.OH	Item	TACTILE SWITCH		Tool	Au	Sheet	1/1	Rev.	1
Model	JT-1140 Series		Drawing name		EMBOSSED TAPE ASS'Y					

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